

**ADVANCING PARKINSON'S DISEASE
DIAGNOSIS AND CLASSIFICATION BY
INTEGRATING MULTIMODAL DATA FUSION,
ENSEMBLE LIGHTWEIGHT DEEP LEARNING
AND EVOLUTIONARY-BASED FEATURE
SELECTION TECHNIQUES**

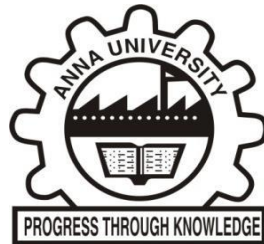
A THESIS

Submitted by

KARTHIGEYAN C M T

in partial fulfillment of the requirements for the degree of

DOCTOR OF PHILOSOPHY



**FACULTY OF INFORMATION AND
COMMUNICATION ENGINEERING**

ANNA UNIVERSITY

CHENNAI 600 025

JUNE 2024